



Orchardgrass and Smooth Brome grass

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- **Critical Values**

None established.

- **Sampling Procedures**

Samples should be collected five weeks after cutting (or five weeks after growth begins in the spring) and before plants flower. Collect above-ground portion of 20 plants.

- **Sufficiency Ranges**

<i>Macronutrients</i>					
N	P	K	Ca	Mg	S
2.50–3.50%	0.25–0.35%	2.50–3.50%	0.30–0.50%	0.15–0.30%	0.20–0.30%

<i>Micronutrients</i>				
Fe	Mn	Zn	Cu	B
50–250 ppm	50–200 ppm	20–50 ppm	3–10 ppm	5–20 ppm

<i>Important Ratios</i>
Maintain the N:S ratio between 10:1 and 15:1 for ruminant nutrition.

- **DRIS Norms**

No DRIS norms have been established.